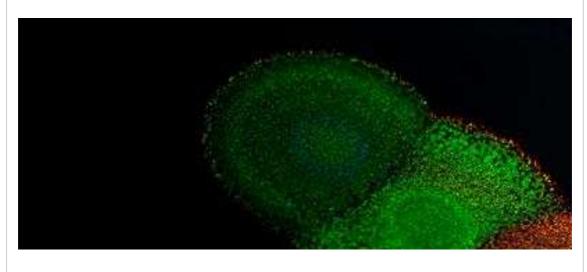


SUSTAINABLE

GROWING PAINTS USING COLOURFUL BACTERIA



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20 May 2018

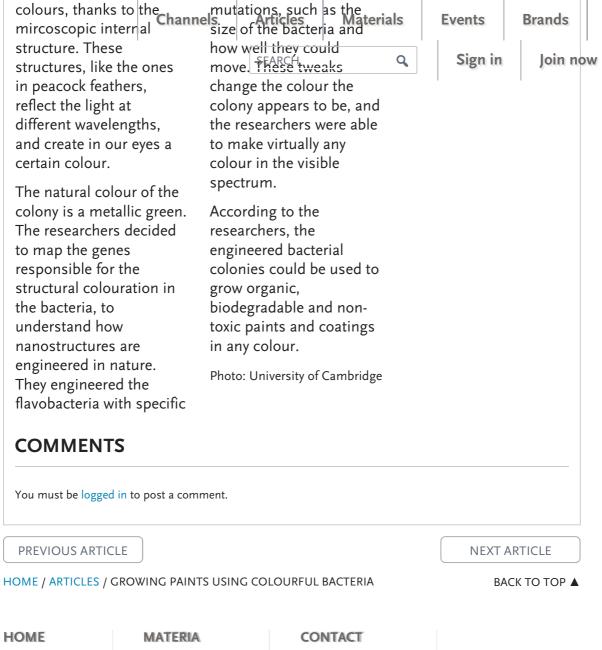
We have seen plastic eating bacteria, bioplastic producing bacteria, brickgrowing bacteria...

Needless to say, bacteria can be very useful in the production (or destruction) of materials, and now paint-growing bacteria can be added to the list. A team from the University of Cambridge and a Dutch company called Hoekmine BV have outlined how we could grow organic paints and coatings out of vibrantly coloured bacteria colonies.

In nature, you can find materials with metallic shimmers, for instance peacock feathers and butterflies. These colours aren't produced by pigmentation, but rather tiny structures that scatter light. These structural colours are difficult to reproduce, but the research by the University of Cambridge and Hoekmine is a step in the right direction.

The bacteria the researchers used are called the flavobacteria, and colonies of them appear as bright metallic





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